

**HUNTERS POINT SHIPYARD
RESTORATION ADVISORY BOARD (RAB) - MEETING AGENDA
THURSDAY, 26 JUNE 2003**

Day/Date:
Thursday – 26 June 2003
Time:
6:00 p.m. to 8:10 p.m.

Location:
Dago Mary's Restaurant
Hunters Point Shipyard
Building # 916
San Francisco

Facilitator: Marsha Pendergrass

Time	Topic	Leader
6:00 p.m. – 6:10 p.m.	Welcome/Introductions/Agenda Review	Marsha Pendergrass <i>Facilitator</i>
6:10 p.m. – 6:15 p.m.	Approval of Meeting Minutes from 22 May 2003 RAB Meeting • Action Items	Marsha Pendergrass
6:15 p.m. – 6:20 p.m.	Navy Announcements	Keith Forman <i>Navy Co-chair</i>
	Community Co-chair Report/Other Announcements	Lynne Brown <i>Community Co-chair</i>
6:20 p.m. – 6:55 p.m.	Radiological Program Update	Laurie Lowman <i>Radiological Affairs Support Office (RASO)</i>
6:55 p.m. – 7:05 p.m.	Election of Community Co-chair	Marsha Pendergrass
7:05 p.m. – 7:15 p.m.	BREAK	
7:15 p.m. – 7:35 p.m.	US EPA Hunters Point Shipyard Scan Van Presentation	Steve Dean <i>US EPA Representative</i>
7:35 p.m. – 7:55 p.m.	Subcommittee Reports	Subcommittee Leaders
7:55 p.m. – 8:00 p.m.	Election Results/Certificate of Appreciation for Departing Co-chair	Keith Forman
8:00 p.m. – 8:10 p.m.	Future Agenda Topics/ Open Question & Answer	Marsha Pendergrass
8:10 p.m.	Adjournment	Marsha Pendergrass

HPS web site: <http://www.efdswnavfac.navy.mil/Environmental/HuntersPoint.htm>

RAB Navy Contact: Mr. Keith Forman (619) 532-0913 or (415) 515-6216

- - - P U B L I C N O T I C E - - -
H U N T E R S P O I N T S H I P Y A R D
Restoration Advisory Board Meeting

◆ ◆ ◆
6:00 P.M. - 8:10 P.M.

Thursday, June 26, 2003

Dago Mary's Restaurant

Hunters Point Shipyard, Building #916

San Francisco

The Restoration Advisory Board (RAB) is composed of concerned citizens and government representatives involved in the environmental cleanup program at Hunters Point Shipyard. Community participation and input is important and appreciated. The purpose of this meeting is to present the community with the current status and future cleanup schedule for Hunters Point Shipyard and to address the concerns of the entire community. Following is a list of the Key Topics to be discussed at the meeting

- ◆ Radiological Program Update
- ◆ Presentation on Scan Van Technology
- ◆ RAB Subcommittee Reports

The interested public is welcome!

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For more information about this meeting and the Installation Restoration Program at Hunters Point Shipyard, please contact:

Mr. Keith Forman, BRAC Environmental Coordinator
Southwest Division Naval Facilities Engineering Command
1230 Columbia Street, Suite 1100, San Diego, CA 92101
(619) 532-0913 or (415) 515-6216

<p style="text-align: center;">HUNTERS POINT SHIPYARD RESTORATION ADVISORY BOARD MEETING MINUTES 22 MAY 2003</p>

These minutes summarize the discussions and presentations from the Restoration Advisory Board (RAB) meeting held from 6:00 P.M. to 8:22 P.M., Thursday, 22 May 2003 at Dago Mary's Restaurant (Building #916 at the Shipyard). A verbatim transcript was also prepared for the meeting and is available in the Information Repository for Hunters Point Shipyard (HPS) and on the Internet at www.efds.w.navy.mil/Environmental/HuntersPoint.htm. The list of agenda topics is provided below. Attachment A provides a list of attendees. Attachment B includes action items that were requested and/or committed to by RAB members during the meeting.

AGENDA TOPICS:

- 1) Welcome/Introductions/Agenda Review
- 2) Approval of Meeting Minutes from 24 April 2003 RAB Meeting
- 3) Navy Announcements/Community Co-chair Reports/Other Announcements
- 4) Radiological Program Update
- 5) USEPA Hunters Point Shipyard Scan Van Presentation
- 6) Subcommittee Reports
- 7) Future Agenda Topics/Open Question & Answer
- 8) Adjournment

MEETING HANDOUTS:

- Agenda for 22 May 2003 RAB Meeting/Minutes from 24 April 2003 RAB Meeting
 - Includes: Action Items from 24 April 2003 RAB Meeting
- PowerPoint Presentation, Hunters Point Shipyard Radiological Program Update, 22 May 2003
- HPS Fact Sheet No. 2, Historical Radiological Assessment, May 2003
- Meeting Minutes, HPS RAB Membership & Bylaws Subcommittee, 13 May 2003
- Meeting Minutes, HPS RAB Technical (Review) Subcommittee, 20 May 2003
- E-Mail Communication - Subcontracting Opportunities at HPS, 5 May 2003
- HPS Monthly Progress Report, April 2003
- Flyer, San Francisco Human Rights Commission, 25 June 2003 Workshop: Environmental Racism II

Welcome / Introductions / Agenda and Meeting Minutes Review

Marsha Pendergrass, facilitator, called the meeting to order at 6:03 P.M. All in attendance made self-introductions. Ms. Pendergrass began the meeting by asking if there were any changes to the minutes from last month's meeting; of which there were none. She then asked for a motion to approve the minutes from the 24 April 2003 RAB meeting minutes. Ms. Pendergrass called for a vote and the minutes were approved.

Ms. Pendergrass reviewed the Action Items contained in the April minutes and asked for a status of each item. The items were completed to the satisfaction of the RAB.

Navy and Community Co-chair Reports/Other Announcements

Keith Forman, Navy Co-Chair, announced that the Updated Community Relations Plan (CRP) will be ready for draft release on 6 June 2003. He added that a CRP Subcommittee meeting will need to be scheduled soon. Mr. Forman announced that they have completed the firebreak on the western portion of Parcel A, and they were doing some maintenance out at the landfill area that included mowing the grasses in preparation for summer. Mr. Forman stated that, with regard to the Community Notification Plan update that was submitted to RAB members earlier in the week, he invited Dan Nienow, Anchor Fence Company manager, to provide details on the small fire that took place on HPS grounds last week.

Mr. Forman had intended for Mr. Nienow to be available for questions during the break and following the meeting. However, Mr. Keith Tisdell, RAB Member, made a motion to change the agenda and have Mr. Nienow make a presentation to the RAB and allow for question and answer. The motion carried. Mr. Nienow provided a brief summary of the events of 15 May 2003. According to Mr. Nienow, at approximately 9:00 a.m., Anchor Fence was completing some fence installation work on Parcel E. A cutting torch was being used to cut some old metal posts when a hot piece of steel rolled into some weeds and started a small grass fire. The San Francisco Fire Department arrived and put the fire out within 20 minutes. Mr. Nienow stated that, as a corrective measure, no further hot work will take place during their operations.

Marie Harrison, RAB member, asked Mr. Forman if there was a fire department present for the Navy and why had they not responded. He stated that there was a fire department present for the Navy and that in fact they arrived at the fire right after San Francisco Fire Department. Georgia Oliva, RAB member, asked if someone had been injured, and Mr. Nienow indicated that there were no injuries. Lynne Brown, RAB Community Co-Chair, made a motion to continue the discussion at the Technical Review Subcommittee meeting. The motion carried.

Mr. Brown announced that nominations will be requested for RAB Community Co-Chair later in the evening.

Reminder: The next RAB meeting will be held from 6:00 to 8:10 p.m., Thursday evening, 26 June 2003 at Dago Mary's Restaurant, Building #916 on the Shipyard.

US Navy RASO Presentation

Mr. Forman introduced Dr. Steven Doremus, Director of Environmental Programs, Radiological Affairs Office (RASO). Dr. Doremus' presentation was part of an ongoing series of presentations related to radiological issues at HPS. Mr. Forman said that Fact Sheet No. 2 had just come out and copies were available on the back table. He stated that Dr. Doremus would be making two presentations; the first to include a Historical Radiological Assessment update, and the second would be an update on the Phase V investigations on buildings and structures on HPS.

Dr. Doremus reminded the group that RASO was committed to keeping them apprised of any new information that came out of the archival research. He started with a review of the research efforts that had taken place thus far. All of the documents that were collected have been scanned and are in the radiological database created by RASO. The data can be reviewed collectively by sites, buildings, contamination, and potential events. Additionally, RASO has catalogued 753 historical maps and 172 past interview summaries. All of the documents have been reviewed and the team is working 12 hours a day to maintain their deliverable schedule.

Dr. Doremus stated that they had received 207 responses from their advertisement, and of those 207, RASO identified 162 as potential interviewees. They contacted 148 respondents by phone, and made numerous attempts to contact the remaining 14. They are still trying to reach the

remaining 14. Of the 148 respondents that they spoke with over the phone, they felt 27 warranted a face-to-face interview. To date, 17 face-to-face interviews have been completed. He stated that five more interviews were scheduled to be completed that week. Due to logistics; however, four of those five would require detailed interviews over the phone.

He said that RASO had made several attempts to reach Tom Olson for a face-to-face interview, but were not successful in those attempts. Laurie Lowman, RASO, did speak with him at length, but they have been unable to reach him for a re-interview because his phone has been disconnected. Maurice, Campbell, RAB member, stated that he thought they had the number to reach Mr. Olson. Dr. Doremus requested the number so that they can make an effort to reach him. RASO had re-interviewed Dr. Alpen that week, and were attempting to re-interview Phil Fong.

Ms. Harrison asked Dr. Doremus to explain the criteria used by RASO to identify the need for face-to-face interviews as opposed to phone interviews. Dr. Doremus said that he would have to defer that question to Ms. Lowman.

Dr. Doremus stated that the HRA is on schedule. The document will be going out for internal review in June, the review will be completed in one month, and the Navy comments will be addressed, with a scheduled distribution date to the public and the regulators set for August.

He then provided an update on newly discovered information related to OPERATION CROSSROADS that took place 56 years ago. He reminded the group that OPERATION CROSSROADS involved the testing of two atomic bombs; Shot Able and Shot Baker. The operation involved 61 support ships and 18 target ships that were returned to HPS. Six of those target ships had to be towed back to the yard, and of those six; USS Independence, USS Gasconade, and USS Crittenden, remained at HPS for testing and decontamination. The other three ships were towed away and taken to Mare Island or Puget Sound Naval Shipyard. The point that Dr. Doremus wanted to stress was the fact that the ships that came back under their own power burned their fuel on the trip to HPS; however, trace amounts of fission products (cesium-137 and strontium-90), and plutonium, were found in the fuel of the three ships that were towed.

The total amount of fuel estimated in the three ships was 610,000 gallons. Apparently, the Navy looked at several options for disposal of the fuel, and determined the best alternative was to burn the fuel in the shore boilers at HPS. Dr. Doremus stated that many safety precautions were considered in an effort to minimize contamination elsewhere. Research indicates that they almost ran a direct line from the fuel tanks on the ships into the tanks that fed the boilers. Additionally, they maintained excess air intake through the boilers to ensure a very high combustion rate; burn more air and improve your air-to-fuel ratio. Dr. Doremus explained that this, in effect, dilutes the particles in the fuel as they come out of the stack, and then they are further diluted as they enter the atmosphere.

They routinely blew soot, which aided in minimizing the accumulation of particulates on the sides of the boilers. Additionally, they inspected the casting on the boilers frequently to make certain there were no leaks inside the plant, thereby protecting the plant workers. They also avoided burning in the rain. The rain would have caused the particulates to quickly settle on the ground once they were hit by the rain.

The Navy also monitored the equipment once the burning was complete, and outdoors following burning activities. According to Dr. Doremus, they would monitor out to a quarter mile to make sure that there was no deposition on the ground.

Dr. Doremus stated that the fuel was burned in the shore boilers located in Building 203 and 521 during April, May, June, July, and August of 1947. He said the data did not identify the days of the burn, but RASO presumed it was not every day. With the release restrictions in place in 1947, Dr. Doremus stated that they likely burned for at least 100 days, and possibly up to 150 days over the five month period.

They conducted tests to determine that 99.9 percent of the radioactive material in the fuel was released and carried out with exhaust gases; thus not allowing accumulation in the plant.

The 1947 Atomic Energy Commission release standard for plutonium was 5×10^{-10} micrograms per cubic centimeter of air, and what they were actually releasing at HPS was 1/10 less of a factor than that standard (release was estimated at 0.001 grams). The 1947 standard allowed a release of 8 hours per working day, six days a week, for a full year. Dr. Doremus noted that they did not burn the quantity that was allowed, nor did they burn for the whole year, therefore they were well below the allowed release standard.

Additionally, by today's standard, Dr. Doremus stated that though the units are now measured in microcuries per milliliter of air, which is a measurement of activity and not of mass per volume of air, he converted the gram number to microcuries to arrive at a number that was a little higher than today's standard. He noted though, that the standard also allows for release 24 hours a day, seven days a week, for a full year. If someone were to breath that quantity of radioactivity 24 hours a day, 7 days a week, 52 weeks a year, they would get 50 millirem; today's total allowable standard is 100 millirem per year for members of the public, and occupational workers are allowed 5,000 millirem per year.

Dr. Doremus' discussion then moved to fission products released and he stated that the unknowns were what the release standards were in 1947 for the two fission products. They have not been able to locate any historical data with regard to those standards. Additionally, they did not know the ratio of the daughter/fission products. It could have been any combination of mixtures. For the purpose of the RASO study; however, they assumed a 50-50 mixture. He said that the total activity for the 1947 release was very close to today's standards.

RASO used a Gaussian air dispersion model to calculate exposure to base personnel. The Gaussian model utilizes information such as wind conditions, wind velocity, receptor distance from the stack, and stack height. They took the most conservative approach with the model and played out the worst environmental conditions and estimated a burn rate of 183 gallons per hour. The results indicated that inside the boundary of HPS, the deposition at 250 feet was about 6×10^{-20} microcuries per milliliter, which he further defined as less than a millionth of a millionth of a millionth of a curie. A person inhaling this concentration of plutonium, cesium, and strontium would result in a dose of one-millionth of today's allowed standard.

He then provided detail on the prevailing wind direction, which was the result of historical meteorological data. The data identified that the prevailing winds would have dispersed the plume into the bay. Dr. Doremus then closed his presentation with the RASO's conclusion that the data showed there was no risk to the workers or local residents from the discharge.

Break called (6:58 p.m.)

RASO Presentation (cont.)

Following the meeting break, Ms. Pendergrass attempted to turn the floor to Ms. Harrison for the question and answer period.

Prior to Ms. Harrison having the floor, Dr. Doremus mentioned that, as a result of the HRA research effort, the Navy will go out and monitor the facilities (buildings 203 and 521) inside and

out. Monitoring outdoors would concentrate on areas in the prevailing wind direction. He also noted that the EPA had been out at HPS all of that week and, to his knowledge, they did not discover anything as a result of the situation. Dr. Doremus asked Michael Work, EPA, if he would like to comment on the work that EPA was conducting at the site. Mr. Work stated that it was his understanding also that they have not found anything with their instrumentation. He also stated that Steve Dean, EPA, had been scheduled to present a scan van report to the RAB that night; however, he was unable to attend. Mr. Work said that Mr. Brown would be available to make a scan van presentation at the June meeting.

Ms. Pendergrass then turned the floor to Ms. Harrison who asked about the wind direction with regard to the 1947 discharge; she said that when the wind goes toward the bay, it goes over an area towards the ballpark and an area of homes. It was her understanding that the plume would travel 3 miles before cooling off and dropping down. She added that 3 miles from HPS is about the location of some public housing at the time. She asked Dr. Doremus if the Navy had tracked how many military families (both on and off base) had contracted cancer, skin rashes, diabetes, asthma, and other diseases. He said that he did not know; however, Mr. Forman stated that he will look into acquiring that information for Ms. Harrison and report back to the Board when the information is available.

Karen Pierce, RAB Member, stated that three years ago, at the time of the landfill fire, they were told the prevailing winds in the area were in a different direction. Ms. Pierce requested clarification from the Navy on the direction of the prevailing wind. Mr. Forman stated that he would research the issue in an effort to provide clarification to the RAB.

Maurice Campbell, RAB member, questioned the model used to determine exposure and discharge of particulate matter. He also asked about NRDL standards back in the 1940's, and why, if they were so sophisticated that HPS has some of the issues that it does today. Dr. Doremus reminded Mr. Campbell and the group that we won World War II because of the research that was conducted at HPS and they were at the beginning of a whole new era; the start of the nuclear age. They were unable to anticipate some of the events and outcomes that did take place, but they were doing the best they could at the time. Dr. Doremus also stated that the Navy is doing all that they can now to identify what took place and where, in an effort to locate and remediate potential areas of concern before turning the property over to the city.

Jesse Mason, RAB member, asked how plutonium was measured at that time. Dr. Doremus stated that plutonium concentrations were measured with laboratory instruments that would measure the energy in a sample of oil and fuel. Mr. Mason also wanted to know if any health surveys were conducted in the communities surrounding HPS. Dr. Doremus explained that they did monitor to show that there was no contamination on HPS grounds. He stated that he did not know what studies had been completed of the surrounding communities and suggested that would be a major undertaking.

Mr. Brown asked how long the USS Independence, USS Gasconade, and USS Crittenden were in the HPS dry docks. Dr. Doremus stated that he did not know and suggested that be made an action item for Ms. Lowman.

Lani Asher, RAB member, questioned the RASO conclusion that there was no danger to the community or the plant workers. She wondered if they had sufficient information to really determine that no harm was done to the residents of the community. Dr. Doremus explained that there are always health hazards associated with living next to any type of a power plant, and that acid rain is one of the biggest problems associated with coal-fired plants on the East Coast. He reminded the audience that the plant workers were exposed to a millionth of what was the allowed dose back then. He explained that radiation is a concern and it takes a linear no threshold

approach; meaning that as soon as you get above zero, there is a little risk. He suggested to the audience that they take a look at benefits versus risk and weigh the options as the Navy did in 1947; would it have been better to dump the fuel in the ground or the water (bay or ocean)?

Kevyn Lutton, RAB member, asked if there were any human tests conducted to determine the absorption of radiation for the people in the area where they were doing the burning. Dr. Doremus suggested that, since they were within their allowed exposure of release, such tests were not needed. If radiation was not measured on the ground, then it was highly unlikely that they would have been able to measure once it got into someone's body.

Dr. Doremus initiated the Phase V investigation presentation and stated that they are currently focusing on Buildings 253 and 366 (former Building 351/B). Building 253 was the former optical and electronics building, of which they have characterized most of the floor space, walls, and the roofs in the facility. Currently, they are concentrating on the equipment and furniture that remain in the building, and investigating the ventilation and piping systems. Building 366 was the former NRDL administration building that included an x-ray facility and an area of development for radiation detection instruments. He explained that neither the administration area nor the x-ray facility would warrant an extensive survey. X-ray machines do not produce radiation contamination; when they are turned on they produce radiation, but stop producing radiation when turned off. They do not produce a radiation all the time like a radiation source, which could potentially produce contamination. However, they did develop instruments to detect radiation and as a result had to have some radiation sources in the building for testing. They have completed some surveys of the building already; however, based on the new information, they are going back into the building to complete a Class 1, 100% survey of the facility of at least the floors and they will evaluate the ventilation system. These surveys are anticipated to be completed 6 June 2003. He stated that they have found only one small spot in Building 366 where an artist had been using welding rods that contained naturally occurring radioactive thorium.

Ms. Pendergrass opened the floor to questions.

Ms. Oliva asked what happened to the generators and boilers that were used to burn the fuels in 1947. Dr. Doremus explained that they are still present in the buildings and in fairly good condition. Mr. Tisdell asked for clarification on radiation emitted by x-ray machines. Dr. Doremus explained that x-ray radiation is pure radiation/pure energy and as such it just dissipates. Deborah Berman Santana, public participant, asked if they came across any information on ships that may have been brought to HPS from OPERATION HARDTACK in the 1950's. Dr. Doremus stated that he did not know but would make that an action item for Ms. Lowman.

Ms. Pendergrass then closed the floor to questions and requested nominations for Community Co-Chair candidates from the RAB members.

The RAB nominated Lynne Brown, Ahimsa Sumchai, J.R. Manuel, Maurice Campbell, and Barbara Bushnell. Ms. Bushnell and Mr. Campbell removed their names from the slate of candidates. The candidates will be voted on during the 26 June 2003 RAB, and the new Community Co-Chair will be installed during the 24 July 2003 RAB.

Ms. Pendergrass moved to the next agenda item and requested an update from the Economic Development committee.

Subcommittee Updates

Economic Development Subcommittee (Maurice Campbell, Leader)

Mr. Campbell gave the report for the Economic subcommittee. He stated that the Economic Subcommittee meeting was held on May 12th, with 12 attendees present. Mr. Campbell stated Chon Son, Contract Specialist, and Pat Brooks, Remedial Project Manager, represented the Navy. The main topic of the meeting was the fact that, of approximately \$300 million available in contract value, only \$18 million went to the local communities. Apparently, trucking has met their goals; however, the other contracting areas have not. Mr. Son agreed to monitor the prime contracts and review local subcontracting goals to see if they are being met. Mr. Campbell asked the RAB attendees for some assistance in speaking with local companies to get them certified, and added that Mr. Son volunteered his services to assist local businesses in getting certified. According to Mr. Campbell there are six people/local contractors in the pipeline for future contract task order awards.

Mr. Campbell said the next meeting of the subcommittee will be at 3:00 P.M., 10 June 2003, at 1790 Yosemite. He stated that the location could change, and in the event that that did happen, he would notify the members. Mr. Forman asked Mr. Campbell if he wanted Mr. Son present for the June meeting and he indicated that he did.

Radiological Subcommittee (Ahimsa Sumchai, Leader)

Francisco Da Costa was representing Dr. Sumchai and provided the Radiological Subcommittee update. Mr. Da Costa stated that the meeting was held on 21 May 2003 with 14 attendees present. The first item for discussion at the meeting was a recent article in the *San Francisco Weekly*. Mr. Da Costa said that they also invited two female residents from the hill, suffering from cancer, to discuss their plight. Additionally, they discussed some issues with a member of the Project Area Committee that was present. He stated that one of the issues discussed was the relationship between the Project Area Committee and the cleanup at HPS. According to Mr. Da Costa, the Project Area Committee has jurisdiction over 94124 but nothing to do with HPS. They also discussed Assembly Bill 1187 calling for HPS development authority and cleanup. Additionally, Kevin Epps, film producer, spoke about HPS and the community adjoining it, as well as some illnesses in the community.

Mr. Da Costa said the next meeting of the subcommittee will be on 25 June 2003; however, he did not know the time or location.

Technical Review Subcommittee (Lea Loizos, Leader) held jointly with the Risk Review and Health Assessment Subcommittee (Karen Pierce, Leader)

Lea Loizos, RAB member, stated that they conducted one meeting for the separate subcommittees due to similar interests. She stated that they talked about actions taking place with Parcel B that include the upcoming five-year review of the Record of Decision signed in October 1997. They also discussed the risk management review process that is currently taking place on Parcel B. The point of the risk management review process was to determine how the BCT is going to manage as well as assess the remaining risk on the parcel. Ms. Loizos stated that they also talked about the latest HRA update.

Ms. Pierce stated that they will continue to conduct joint meetings until further notice.

Ms. Loizos said that the next meeting of the subcommittee will be on 12 June 2003, at 6:00 P.M., at the Southeast Health Center Conference Room. Mr. Forman stated that he and Mr. Brooks would be present for that meeting for the discussion on the basewide groundwater monitoring. He also said that he would have a person available at the meeting that was present during the fire that took place on 15 May 2003.

Membership & Bylaws Subcommittee (Keith Tisdell, Leader)

Melita Rines, RAB member, stated that the subcommittee meeting was held on the 13th of May. Her first order of business was a motion to approve the revised bylaws, indicated that all members received their copies and had an opportunity to review. She stated that the revision was one point of the amendments that once a year we amend the bylaws. That one time amendment will take place at the September RAB. Ms. Pendergrass called for a vote on the motion to approve the revised bylaws. The motion carried and the bylaws are revised and current.

The next meeting of the Membership & Bylaws Subcommittee will be at 6:00 P.M., 10 June 2003, at the Anna Waden Branch Library.

Other Discussions/Topics

The following items were also discussed at the RAB meeting. A verbatim account of these discussions is included in the Information Repository for HPS and may also be found on the HPS web page at www.efds.w.navy.mil/Environmental/HuntersPoint.htm

- Following the RAB nominations there was considerable discussion among the RAB members regarding the issue of the RAB not being a sufficiently multi-racial organization. Barbara Bushnell, RAB member, made a motion to request that the RAB hold a special RAB meeting; just the community members, to resolve unresolved issues with regard to the RAB membership. Ms. Pendergrass volunteered her services to mediate the meeting, if necessary. Ms. Pendergrass called for a vote on the motion to have a special RAB meeting for conflict resolution purposes. The motion did not carry; therefore, no special meeting will be held.
- Charles Dacus, Sr. explained that he considered it unfair for him to have to stipulate on a membership application why he is interested in serving on the RAB. He stated that he has served for several years and his expectations and contentment have not changed in 15 years. Ms. Rines explained that their intention in requesting the resubmission of membership applications every two years was to be certain that all RAB member information is current and complete. Additionally, in order for them to fully institute the two-year term they need to keep it across the board administratively for all. Ms. Rines requested that all RAB members simply re-fill out the personal information at the top of the application in case anything has changed and to please submit before their term is up.

Future Agenda Topics

There were no further announcements and two future agenda topics presented (noted above). The meeting was adjourned at 8:22 P.M.

Reminder: The next RAB meeting will be held from 6:00 to 8:10 P.M., Thursday evening, 26 June 2003 at Dago Mary's Restaurant, Building #916 on the Shipyard.

ATTACHMENT A

**22 MAY 2003 - RAB MEETING
LIST OF ATTENDEES**

Name	Association
1. Christine M. Niccoli	Niccoli Reporting, court reporter
2. Marsha Pendergrass	Pendergrass & Associates
3. Quijuan Maloof	Pendergrass & Associates
4. Keith Forman	Navy RAB Co-chair
5. Dave DeMars	Navy
6. Steven W. Doremus, Ph.D.	Navy, RASO
7. Martin Offenhauer	Navy
8. Lee Saunders	Navy
9. Peter Stroganoff	Navy
10. Lynne Brown	RAB Community Co-chair , Communities for a Better Environment, CFC
11. Lani Asher	RAB member, Artist on the Shipyard
12. Barbara Bushnell	RAB member, ROSES and alternate for Charles Dacus
13. Maurice Campbell	RAB member, BDI, CFC, New California Media, New Bayview Newspaper
14. Charles L. Dacus, Sr.	RAB member, resident, ROSES
15. Marie J. Franklin	RAB member, Shoreview Environmental
16. Marie Harrison	RAB member, CBE, SF Bay View, Greenaction
17. Mitsuyo Hasegawa	RAB member, JRM Associates
18. Helen Jackson	RAB member, All Hallows Gardens
19. Lea Loizos	RAB member, ARC Ecology
20. Kevyn Lutton	RAB member, resident
21. J.R. Manuel	RAB member, JRM Associates, India Basin resident
22. Jesse Mason	RAB member, BVHP Community Advocates
23. Georgia Oliva	RAB member, CBE, Shipyard Artist
24. Sulu Palega	RAB member, Hunters Point Boys and Girls Club
25. Dorothy Peterson	RAB member, Shoreview Residents Association
26. Karen Pierce	RAB member, Bayview Advocates
27. Melita Rines	RAB member, India Basin Neighborhood Association
28. Keith Tisdell	RAB member, resident
29. Caroline Washington	RAB member, Network for Elders
30. Leilani Wright	RAB members, JRM Associates
31. Amy Brownell	RAB member, San Francisco Department of Public Health
32. Michael Work	RAB member, US EPA
33. Julie Menack	RAB member, Regional Water Quality Control Board
34. Chern Kao	RAB member, DTSC
35. Arvind Acharya	Innovative Technical Solutions, Inc.
36. Anagha Apte	Immigrant Legal Resource Center
37. Ronald Baptiste	Tetra Tech EM Inc.
38. Doug Bielskis	ROSES
39. Bert Bowers	New World Technology
40. Patricia Brown	Shipyard artist
41. A. Don Capobres	San Francisco Redevelopment Agency
42. Deborah Clark	Katz & Associates
43. Francisco Da Costa	Environmental Justice Advocacy
44. Daryl DeLong	New World Environmental, Inc.
45. Peg Divine	San Francisco Department of Public Works
46. Gerald L. Gels	Veridian Corporation
47. Bob Hocker	Lennar/BVHP
48. Susan Horsfall	Goggin & Goggin for Lennar-BVHP

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| 49. Carolyn Hunter | Tetra Tech EM Inc. |
| 50. Joni Jorgensen-Risk | Innovative Technical Solutions, Inc. |
| 51. Ronald Keichline | Innovative Technical Solutions, Inc |
| 52. Tom Lacey | Bay Storage |
| 53. Debra Moore | Innovative Technical Solutions, Inc/BDI |
| 54. Dan Nienow | Anchor Fence Company |
| 55. Charles Pardini | Levine-Fricke for Lennar |
| 56. Dave Roady | Veridian Corporation |
| 57. Dennis M. Robinson | Shaw Environmental & Infrastructure, Inc. |
| 58. Deborah Berman Santana | Mills College Ethnic Studies Department |
| 59. Clifton Smith | C.J. Smith & Associates, EEC |
| 60. Giacomo Ursino | Dago Mary's Restaurant |
| 61. Peter Wilsey | San Francisco Department of Public Health |
| 62. Stephanie Yow | Office of Congresswoman Nancy Pelosi |

ATTACHMENT B**22 MAY 2003 - RAB MEETING
ACTION ITEMS**

Item No.	Action Item	Due Date	Person/Agency Committing to Action Item	Resolution Status
Carry-Over Items				
1.	None			
New Items				
1.	Navy to identify how many Navy families have contracted diseases inside and outside of the base.	As data are available	Keith Forman	
2.	Navy to check on data provided in a Fact Sheet published previously regarding prevailing winds in the area to determine if there is a variation from what was reported by Dr. Doremus.	June RAB	Dave DeMars	
3.	RASO to provide the length of time that the USS Independence, USS Crittenden, and USS Gasconade were in the HPS dry docks.	June RAB	Laurie Lowman	
4.	RASO to review the data to determine if any ships were brought to HPS during OPERATION HARDTACK.	June RAB	Laurie Lowman	

Hunters Point Shipyard
RAB Member Roll-Call Sheet

Current RAB Members		Attendance
Name	Affiliation	26-Jun-03
Community		
Brown, Lynne	Community Co-chair, Communities for a Better Env.	
Asher, Lani	Artist on the Shipyard	
Bushnell, Barbara	ROSES	
Campbell, Maurice	New California Media	
Dacus, Sr., Charles L.	ROSES, Resident	
Franklin, Marie J	Shoreview Environmental Justice Movement	
Harrison, Marie	San Francisco Bayview Newspaper	
Hasegawa, Mitsuyo	JRM & Associates	
Jackson, Helen	All Hallows Gardens Residents' Association	
Loizos, Lea	ARC Ecology	
Lutton, Kevyn	Resident	
Manuel, J R.	JRM & Associates	
Mason, Jesse	BVHP Advocates	
Morrison, James	Resident	
Oliva, Georgia	Artist on the Shipyard	
Palega, Sulu	BVHP Boys & Girls Club	
Peterson, Dorothy	Shoreview Residents' Association	
Pierce, Karen	BVHP Democratic Club	
Rines, Melita	Resident	
Sumchai, Ahimsa Porter	BVHP Health & Environmental Resource Center	
Tisdell, Keith	Resident	
Tompkins, Raymond	BVHP Coalition on the Environment	
Washington, Caroline	Network for Elders	
Wright, Leilani	JRM & Associates	
Regulators		
Brownell, Amy	SF Dept. of Public Health	
Kao, Chein	Cal. Dept. of Health Services	
Lane, Jacqueline Ann	U.S. EPA Region IX	
Forman, Keith	Navy Co-chair, SWDIV	
Menack, Julie	Regional Water Quality Control Board	
Trombadore, Claire	U.S. EPA Region IX (H-9-2)	
Work, Michael	U.S. EPA Region IX	

HPS Membership & Bylaws Subcommittee Meeting Notes
Meeting Minutes for 10 June 2003, 6-8pm
San Francisco Public Library, Anna E. Waden Branch

*Note** These minutes are not verbatim but through summarization reflect the issues and statements made during the meeting These notes were taken by Melita Rines*

The Subcommittee meeting was called to order by Keith Tisdell, RAB member and Subcommittee Leader, at 6:15pm. Additional RAB members in attendance at the meeting were Kevyn Lutton and Melita Rines. Topics on the agenda: (1) Subcommittee elections (2) Contacting potential new members (3) RAB Member changes/lack of contact.

Agenda Item 1) The Subcommittee discussed that at the next Membership and Bylaws (July) meeting there will be the election of a Subcommittee leader. This had been discussed and approved in a prior Membership & Bylaws meeting. The purpose of the election is to allow other RAB members a chance to lead a committee. This is to be put in place by all Subcommittees. The initial idea was to have all elections for all Subcommittee leaders in the same month as the RAB Community Co-Chair Elections as a way in which to create a 'fresh start' for all members. All RAB members that wish to vote for a new Subcommittee leader must attend the Membership and Bylaws meeting.

- ***Motion to the RAB – Accept the proposal of election of all Subcommittee leaders on an annual basis in or within one month of the RAB Community co-chair election.***

Agenda Item 2) The Subcommittee also discussed the issue of lack of contact by potential RAB members. Mr. Harry Shin is to be contacted again by phone and by fax. He has not attended a full RAB meeting yet in order for us to vote him onto the board. It was proposed that the RAB member that solicited his application make an attempt to contact him. The same is to be done for Ching H. Tso. She has not had any contact since she filled in her application.

- ***Motion to the RAB – Request for any RAB Member with contacts to solicit Asian American membership applications along with the Muwekma Ohlone Indian tribe.***

Agenda Item 3) The Subcommittee acknowledged the stepping down from the RAB Board of member James Morrison. In addition there has been no contact with member Jim Rodriguez. It was determined that we would make some more attempts to contact him.

The next Membership & Bylaws meeting will be held July 8th 6-8 pm at the Anna Waden Library. We will be holding the elections for a Subcommittee leader. All those members who would like to participate please be present. We will also be reviewing new membership applications.

The meeting adjourned at 6:40 p.m.

Technical and Risk Review Subcommittee Meeting June 12, 2003

Attendees: Arvind Acharya (ITSI), Ryan Ahlersmeyer (Navy), Michael Boggs (Anchor Fence), Pat Brooks (Navy), Keith Forman (Navy), Lea Loizos, Kevyn Lutton, Jesse Mason, Ulysses Montgomery, Paul Tiggemann (Anchor Fence), Keith Tisdell, Marcel Twizeye

Topics Covered:

I. Parcel E Fire on 5/15/03

Due to concerns raised by community members at the May RAB meeting, representatives from Anchor Fence came to discuss the details of the fire that occurred on the morning of Thursday, May 15, 2003 at the intersection of I Street, Crisp Ave, and Spear Street. Michael Boggs, the on-site foreman for Anchor Fence, went over the events leading up to, during and after the fire.

Anchor Fence has a contract with the Navy to build fences throughout the Shipyard. The fence that was in construction when the fire occurred is at the eastern boundary line of the railroad museum on Parcel E. They were contracted to remove the old existing fence before putting in a new one. The method they chose was to torch the old posts, as they were old and rusted and cemented into the ground. The fence is located in an asphalt-covered area where weeds have grown up along the fence line. As a precautionary measure, a 5-foot area was cleared around the posts before the work began. During the cutting of the third post, a molten piece of metal rolled to a weedy area and started a fire. The on-site workers tried to extinguish the fire unsuccessfully with two extinguishers. Mr. Boggs then drove to the HPS fire department and found no one, so he then went to ITSI where he got another extinguisher and several 5-gallon jugs of water.

When he returned to the site, the City fire trucks arrived and hosed down the fire until it was extinguished, which required filling up the truck 2 times. The total area burned was approximately 12 feet by 40 feet, according to the Navy and Anchor Fence. The HPS fire department also reported to the site, after the City, but did not enter the site. As part of procedure, Medic 17 also reported to the site but did not enter, which explains the ambulance that was seen by several community members.

Due to the fire, work on the fence temporarily stopped. A meeting was held with the Navy, ITSI and Anchor Fence to compose a plan to prevent future

fires, which included prohibiting hot work on the Jase and having a 500 -gallon water Juffalo on site at all times (see attached.) The fence work is now complete.

Jesse Mason pointed out that during a meeting Jetween ITSI and Anchor o n the morning of the fire the contractors agreed that if it was too windy, work should stop due to the risk of fire. The on-site foreman admitted that the meeting had in fact happened Jut that he made a judgment call to allow work to continue and underestimated the wind at the time of the fire.

II. Basewide Groundwater Issues

Project managers Pat Brooks and Ryan Ahlersmeyer came to discuss the Navy's priorities for groundwater (GW) cleanup and monitoring at Parcels B, C, and E.

Known GW concerns at Parcel B:

- Trichloroethene (TCE) plume Jeneath Bldg 123. The Navy is planning to do a treataJility study using zero -valent iron to decrease the concentrations of TCE and it's Jy -products from the GW. This is the same technique that is Jeing tested at Bldg 272 on Parc el C. The Navy has Jeen conducting a treataJility study to remove the TCE from the soil at Bldg 123 using soil vapor extraction (SVE.) The TCE in the soil is considered to Je the source of the TCE in the groundwater and must Je removed in order for groundw ater cleanup to Je effective (otherwise, the soil would continually leach TCE into the groundwater).
- Mercury at IR-26, the old scale house. A remedial action for mercury was conducted at IR-26 as part of the Record of Decision, Jut there are still low-levels of mercury found occasionally in the GW so the Navy is considering doing more work in that area.
- Arsenic at IR-07

Known GW concerns at Parcel C:

- Remedial Unit C1 (RU-C1) is a complicated plume that spans the area of Parcel C Jetween Berth 3 and Dry Doc k 2. The contaminants found include tetrachloroethene (PCE), TCE, dichloroethene, and vinyl chloride. According to the Navy, this area is next in line for a treataJility study.
- RU-C2 is a smaller plume Jeneath Juildings 258 (pickling and degreasing area), 251 (sump and dip tank area) and 252. The contaminants of concern are the same as at RU-C1: PCE, TCE,

dichloroethene, and vinyl chloride. The plume is being monitored but there is no plan yet for the cleanup.

- RU-C4 is the plume of TCE and its by-products found in the GW beneath Jldg 272. The zero-valent iron treatability study was performed in this area. During the study, concentrations decreased from 50,000 micrograms per liter to 500 in 12 weeks, which is an incredibly fast rate. The Navy plans to return to the area this summer to see if they can reduce the remainder of the plume. Concerns were raised by RAB members present about the levels of iron left in the GW as a result of the treatment.
- RU-C5 is a TCE plume beneath the dip tank (IR -25) on Parcel C. The Navy hopes to dig out the sump and then stimulate the natural degradation of the TCE using lactic acid. Over time, with the help of organisms living in the soil, TCE eventually degrades into non-toxic compounds - ethane and ethane. Because the plume already appears to be degrading, the Navy is looking into ways they can increase the natural degradation. Concerns were raised by RAB members present about the length of time it would take for natural degradation considering the depth of the plume.

Known GW concerns at Parcel E:

According to the Navy's data, there are fewer groundwater concerns at Parcel E than at Parcel C. One of the main contaminants of concern is ammonia, which is often found in areas where decomposition is occurring. The Navy is considering "phytoremediation" in this area, which would involve planting trees around the sheet pile wall to absorb the groundwater and prevent it from entering the Bay.

**Contact Lea Loizos for copies of the handouts provided by the Navy at the meeting at 415-495-1786 or lealoizos@mindspring.com

Anchor Fence Co., Inc.

1015 East Market Street
Daly City, CA 94014
PH# 650-588-5000
FAX# 650-588-5789

Innovative Technical Solutions, Inc
2730 Shadelands Drive
Suite 100
Walnut Creek, CA 94598

May 20, 2003

Attention: Arvind Acharya

Subject: Purchase Order No. 021250501
Safety Corrective Action Plan

Dear Mr. Acharya,

As you know, on May 15, 2003, Anchor Fence Co., Inc. was involved in an incident. A fire was started in some weeds along a fence line as we were removing posts per our work under the referenced purchase order. Details of the incident have been previously addressed in a report from our on-site foreman. In reviewing the situation, Anchor Fence Co., Inc. has compiled a plan to avoid this in the future:

1. All hot work will cease immediately. Cutting torches and any spark producing tools (grinders, chop saws) will no longer be used on this site.
2. Portable band saws shall be used to cut off the remaining old posts to within 2" of grade. Any posts outside an area 12" on either side of the new fence line shall be cut off with the portable band saw and pounded flat to avoid a trip hazard.
3. High weeds will be cleared away on either side of the fence line to allow access with our equipment. This area will also be wetted down before we drive our vehicles along the fence line.
4. Anchor Fence Co., Inc. will have a water buffalo (tow-able water tank) on site for the remainder of the work.
5. The on-site foreman shall have a cell phone with capability to call 911.

Anchor Fence Co., Inc. has been doing work in the San Francisco Bay area for over 80 years and constantly works at maintaining a safe work site. Until this situation our record on this site has been incident free. We are 95% complete with our work under this contract and ask that we be allowed to finish. We also hope this one incident does not jeopardize any future work with your company and the US government.

Sincerely,
Anchor Fence Co., Inc.

Dan Nienow
Manager

United States
Environmental Protection Agency



Radiological Scanner Van Survey
Hunters Point Shipyard

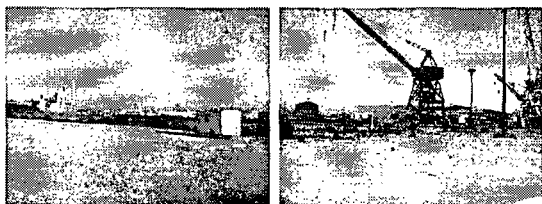
- US EPA Region 9 requested a radiological scanner van survey of Hunters Point Naval Shipyard
- This survey was conducted by EPA's Radiation And Indoor Environments National Laboratory (RIENL) in Las Vegas, NV.

- The radiological (gamma) scan was conducted from September 9 through 12, 2002.
- A map of the scanned areas is included in the report

The scan van covered all navigable roads in Parcel A



Parcels B and C were also scanned



Parcels D & E only got partially scanned due to:

– Overgrowth and inaccessible roads in Parcel E

– Radiation investigations and/or remediation activities in Parcel D



Pump house anomaly

- The scan van detected natural Potassium (K-40) and natural radiation from the red brick walls of the pump house



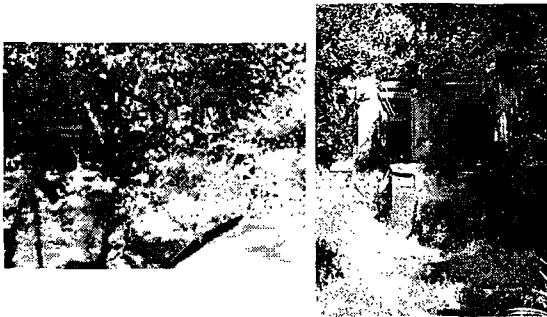
Friedell Street anomaly



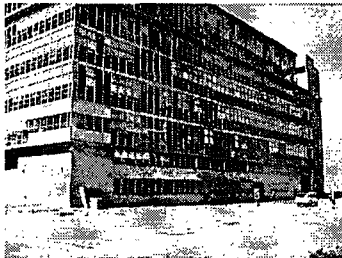
Firebrick in the chimney and fireplace
contains natural radiation



So does the barbeque pit next door



Building 253 Anomaly



Natural Potassium (K-40) that has accumulated along the base of the building was detected by the scan van

The pour of asphalt closest to the building had slightly higher natural radiation levels.



Conclusions

- All anomalies detected during the scan were natural occurring sources at levels consistent with what would normally be found in the environment.
- Based on the scan results, none of the scanned areas warrant further radiological investigation.

- The report of the radiological scanner van survey of Hunters Point Shipyard was completed in late March 2003
- The report was released to the public on April 10, 2003
- Copies were made available to RAB members at the April 24, 2003 RAB meeting
